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ABSTRACT OF THE DISCLOSURE

As to an object-oriented programming, reuse of softwares is enhanced and running speed is improved. There are made up a data element list in which pointers to data storage areas of object A are arranged and a pointer element list in which pointers to pointer storage areas of object B are arranged. A combination of the data element list and the pointer element list makes it possible to directly refer to data of the object A from the object B.